



SECTION A-A

NOTES:

- THIS DRAWING IS FOR EXPLOSIVE BONDING USE ONLY.
- THIS IS A ULTRA - HIGH WELDMENT ASSEMBLY (UHV) ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE ASSEMBLY MUST GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING, AND DRY NITROGEN BLOW DOWN.
- ASSEMBLY SHALL BE ULTRASONICALLY TESTED AND CERTIFIED. CERTIFICATION OF ULTRA SONIC TEST SHALL BE SIGNED BY A CONTRACTOR REPRESENTATIVE TO SIGN SUCH CERTIFICATION
- ALL SURFACE FINISHES TO BE $R_{a} 1.0$
- DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY
- * MACHINE AFTER EXPLOSIVE BONDING

3	DRAWING BROUGHT UP TO DATE	M.J.M.	
2	(2) 500 [12.70] WAS 1.000 [25.40]		
1	DRAWING BROUGHT UP TO DATE	M.J.M.	
1	DRAWING BROUGHT UP TO DATE	M.J.M.	

ITEM	DESIGN/ITEM NUMBER	NOMENCLATURE/DESCRIPTION		REVISION/DATE	QTY
PARTS LIST					
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES					
A17742B3					
DESIGNED BY	DATE	APPROVED BY	DATE	REVISION	
MUSCJA	5/9/94	D. SHU	5/10/94		
DESIGNED BY	DATE	APPROVED BY	DATE	REVISION	
J. WOTHE	5/10/94	T.M. KUZAY	5/10/94		
DESIGNED BY	DATE	APPROVED BY	DATE	REVISION	
SHUMUSCIA	5/10/94				
DESIGNED BY	DATE	APPROVED BY	DATE	REVISION	
D. SHU	5/10/94				
SEE ABOVE					
SCALE: 1:1				SHEET 2/2	
DRAWN BY: E				P4102010101-310001-03	

ADVANCED PHOTON SOURCE
M1 APS I.D. FRONT END
1-ST FIXED MASK
MAIN BODY
(FOR UNDULATOR)